

## ABSTRACT

A TV broadcasting system comprises: an outward broadcast link to reach each of a plurality of user receiver installations via satellite or via a terrestrial channel, and a return link from each of said plurality of users, said return channel being a terrestrial channel via a wide area network, typically a WAN, of which WAN said user receiver installations form a node. The WAN may also support an uplink. A satellite or terrestrial receiver installation is modified with an extra terrestrial antenna for the WAN and a splitter combiner allows the already installed cable link to the TV receiver to be retained. A residential gateway allows a household LAN and communication enabled devices to be supported via the TV/WAN infrastructure.